1-87221-0 ✔ ACTIVE

AMPMODU | AMPMODU Headers

TE Internal #: 1-87221-0

PCB Mount Header, Vertical, Board-to-Board, 11 Position, 3.81 mm [.15 in] Centerline, Unshrouded, Gold (Au), Through Hole - Solder, AMPMODU Headers

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

Connector System: **Board-to-Board**

Number of Positions: **11**

Number of Rows: **1**

Centerline (Pitch): **3.81 mm [.15 in]**

Features

Product Type Features

PCB Connector Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Unshrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Connector Contact Load Condition	Fully Loaded
Number of Positions	11
Number of Rows	1
PCB Mount Orientation	Vertical
Board-to-Board Configuration	Parallel

Electrical Characteristics

Insulation Resistance	5000 MΩ
Dielectric Withstanding Voltage (Max)	750 Vrms

Body Features

Primary Product Color	Black

Contact Features

Contact Underplating Material	Nickel
Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Square
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Gold Flash
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	5 A

Termination Features

Termination Post & Tail Length	3.18 mm[.125 in]
Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Connector Mounting Type	Board Mount
Mating Alignment	Without
PCB Mount Alignment	Without
PCB Mount Retention	Without

Housing Features

Centerline (Pitch)	3.81 mm[.15 in]
Housing Material	Thermoplastic

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]

Usage Conditions

Housing Temperature Rating	Standard
Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Tray

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Wave solder capable to 240°C

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

Compatible Parts



TE Part # 534237-9
11 MODII VRT SR CE 100/115

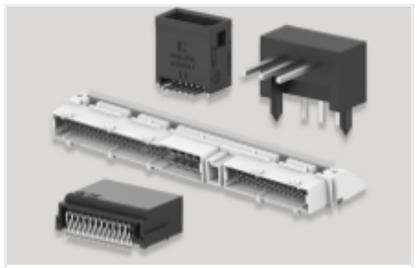
Also in the Series | AMPMODU Headers



Automotive Headers(3)



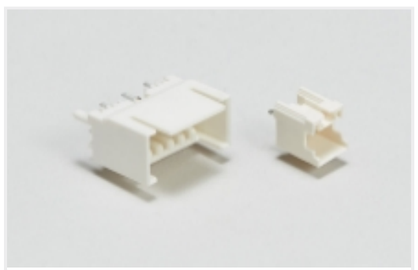
Automotive Signal & Power Headers(3)



PCB Headers & Receptacles(1173)

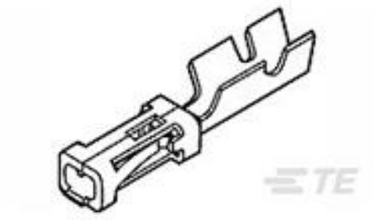


Rectangular Power Connectors(25)

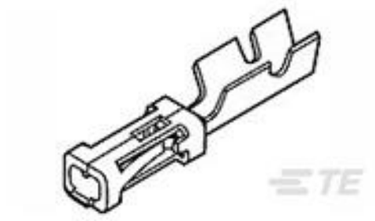


Wire-to-Board Headers & Receptacles (78)

Customers Also Bought



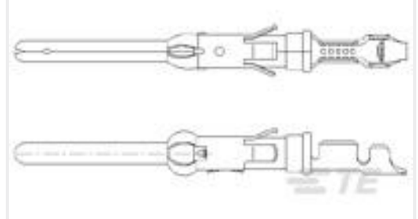
TE Part #85969-6
MOD IV RECP PLTD 15 SEL



TE Part #86016-5
MOD IV RECP LP



TE Part #160344-2
RING TONGUE 20-16 AWG .025 X .840



TE Part #163086-1
062 PIN ASS. TYP3+



TE Part #182917-1
CPC SQ.FL.RCPT STD SEX



TE Part #1-966645-0
2x10P HV100 REC.CON, SMD, GOLD, TUBE PACK



TE Part #8-1415053-1
SR4M4012



TE Part #5380635-2
RCR AU-SPR SN-CUP OE 018-040

TE Part #CQ40143001
CLFH-400

TE Part #8-1768033-1
LEB-1325P-9

Documents

Product Drawings

11 MODII HDR SRST UNSHRD .150

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-87221-0_M_c-1-87221-0-m.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-87221-0_M_c-1-87221-0-m.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-87221-0_M_c-1-87221-0-m.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Agency Approvals

UL

English